



**Full D1 480TVL IP Camera w/ Audio
CAM-5200H/CAM-5201H
Full D1 480TVL Day & Night IP Camera w/ Audio
CAM-5220H/CAM-5221H
Ver. 090302**

Quick Installation Guide



www.acti.com

Table of Contents

1	<i>Getting Started</i>	1-1
1.1	PACKAGE CONTENTS	1-1
1.2	PHYSICAL DESCRIPTION	1-2
1.3	CONNECT NECESSARY CABLES	1-6
2	<i>Quick Tour</i>	2-1
2.1	Configure the IP Camera	2-1
2.1.1	Make sure network environment	2-1
2.1.2	Open Internet Explorer with IP address.....	2-2
2.1.3	Login with default administrator's account & password	2-2
2.1.4	Preview the Video.....	2-3
2.1.5	Set the new IP address	2-4
2.1.6	Check Default Video Setting	2-5
2.1.7	Click Save Reboot to restore all settings and please wait about 30 seconds for system reboot.	2-5

1

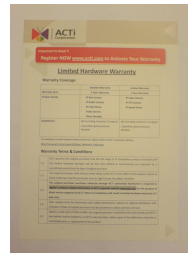
Getting Started

1.1 PACKAGE CONTENTS

CAM-5200H/5201H
CAM-5220H/5221H



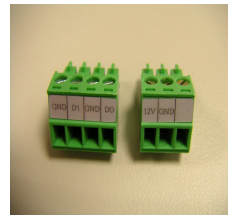
Warranty Card



Software CD



Terminal Blocks for Power & DI/O



Power Adaptor (Option)



Accessory



1.2 PHYSICAL DESCRIPTION

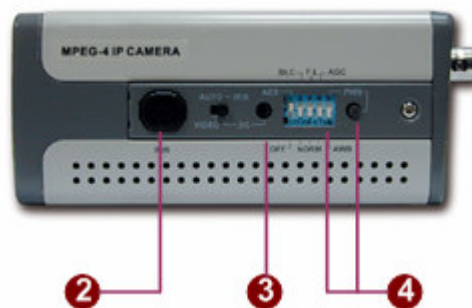


1. Microphone Input

Sensitivity: -44dB(0dB=1Vpp at 1KHz)

S/N Ratio: More than 58dB

Directivity: Omni directional



2. Auto Iris

Video / DC (switchable)

3. Video DC Level Adjustment

4. CCD Functions

● **Auto Electronic Shutter Speed Mode**

AES On: 1/50 (60) sec. ~ 1/100,000 sec;

AES Off: 1/50 (60) sec.

● **Back Light Compensation**

ON/OFF (Switchable)

● **Flickless**

ON/OFF (Switchable)

● **Automatic Gain Control**

ON/OFF (Switchable)

- **Auto White Balance**

AWB / Push Lock WB Mode



5. WAN port

The IP Camera connects to the WAN (wide area network) via a standard RJ45 connector. Supporting NWay, this IP camera can auto detect the speed of local network segment (10Base-T/100Base-TX Ethernet). The WAN port is for FTTH and can connect to a xDSL or cable modem.

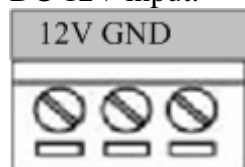
With PoE built-in product, you can power the IP camera via WAN port, LAN port or DC input. You can power the IP camera with multiple power inputs at the same time. If you do, the IP camera will get the power from the first power input plugged into it.



NOTE: You may find a support package for help you getting familiar with PoE. Please visit our web site, and get the support document TS-00040.

6. Power Input

DC 12V input.



PIN	NAME	DESCRIPTION
1	12V	Power Input (DC +12V)
2	GND	Ground Pin of Power Input
3	X	No Connection

With PoE built-in product, you can power the IP camera via WAN port, LAN port or DC input. You can power the IP camera

with multiple power inputs at the same time. If you do, the IP camera will get the power from the first power input plugged into it.



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7. **Analog Video Output**

The IP camera supports one channel analog video output.

8. **LAN port**

The IP Camera connects to the LAN (local area network) via a standard RJ45 connector. Supporting NWay, this IP camera can auto detect the speed of local network segment (10Base-T/100Base-TX Ethernet).

With PoE built-in product, you can power the IP camera via WAN port, LAN port or DC input. You can power the IP camera with multiple power inputs at the same time. If you do, the IP camera will get the power from the first power input plugged into it.



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9. **Reset Button**

Step 1: Switch off IP camera by disconnecting the power cable

Step 2: Using a suitable pointed object, press and continue to hold the Reset Button depressed. While continuing to hold the reset button depressed, reconnect the power cable.

Step 3: Keep holding the reset button depressed around 6 seconds, release the reset button. The unit will start up with factory default settings.

10. **Action LED Indicator**

The LED will light up after IP camera has successfully completed the boot process.

11. **DI/O**

The IP Camera supports one alarm input and one alarm output.

DI: Logic Level 0: 0~0.4V; Logic Level 1: 3.3~30V

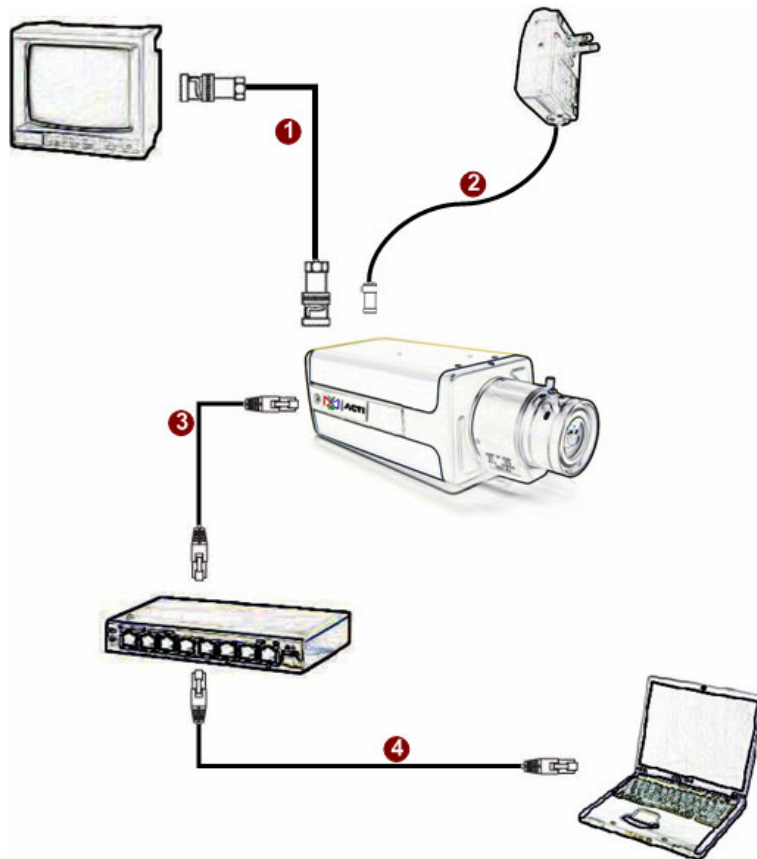
DO: Logic Level 0: 0.1~0.6V; Logic Level 1: 2.4~5V



PIN	NAME	DESCRIPTION
1	GND	Ground Pin
2	DI	Digital Input
3	GND	Ground Pin
4	DO	Digital Output

1.3 CONNECT NECESSARY CABLES

The Ethernet cable and power cable are necessary for previewing function. Make sure all cables are correctly and firmly connected.



1. Connect an analog monitor to IP Camera video out (BNC connector).
2. Connect the power adaptor to IP Camera
3. Connect IP Camera's LAN port to an Ethernet (RJ45 connectors). If your IP camera has PoE built-in, you can regard it as a PD and connect it directly to a PSE device like PoE switch.
4. Connect a PC to the Ethernet hub (RJ45 connectors)



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2

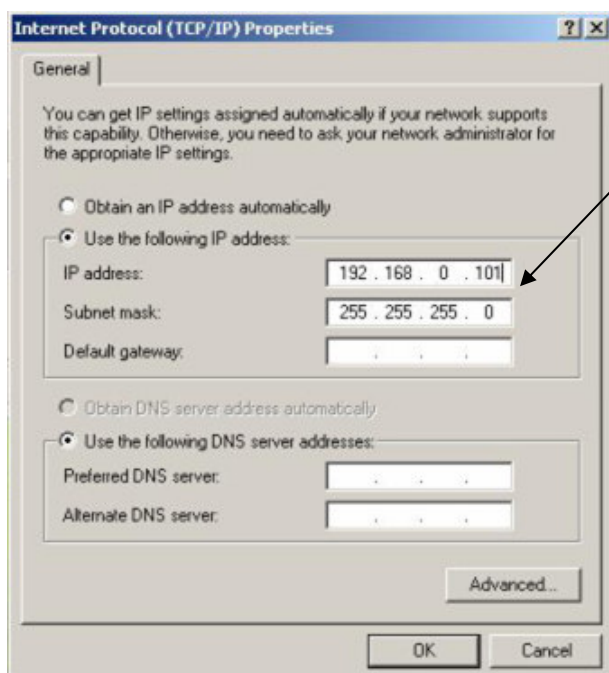
Quick Tour

This section guides you with a quick tour on IP camera.

2.1 Configure the IP Camera

2.1.1 Make sure network environment

Default IP of IP camera is 192.168.0.100. Please make sure IP camera and your PC are on the same network segment before running the installation.



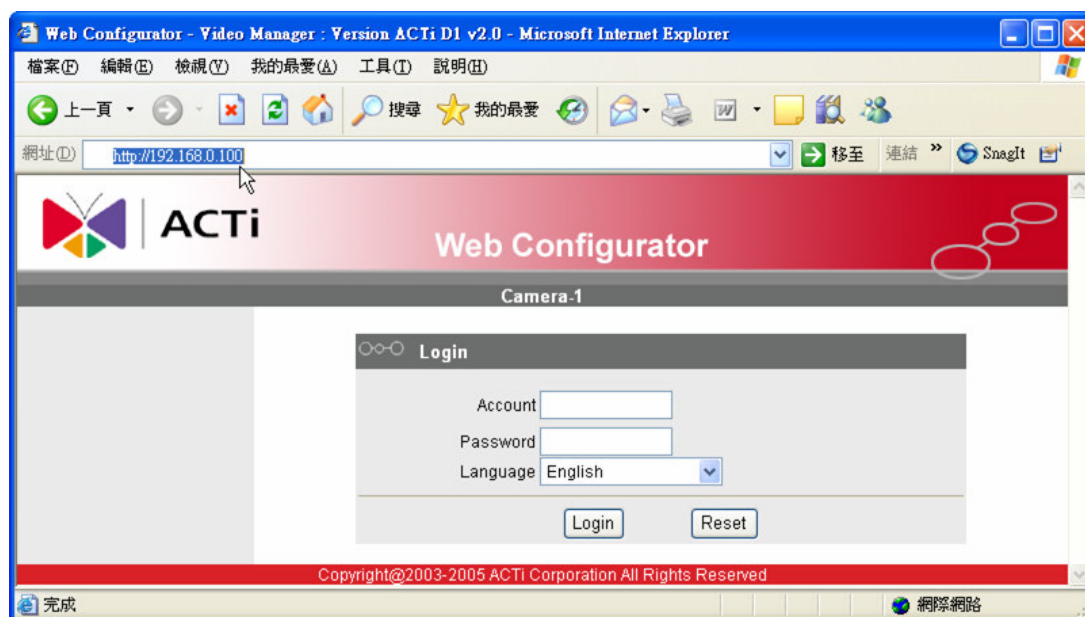
Please set the settings as below.

IP address: 192.168. 0.xxx

Subnet mask: 255.255.255. 0

(NOTE: xxx should be a number from 1 to 254, but 100 is excepted.)

2.1.2 Open Internet Explorer with IP address

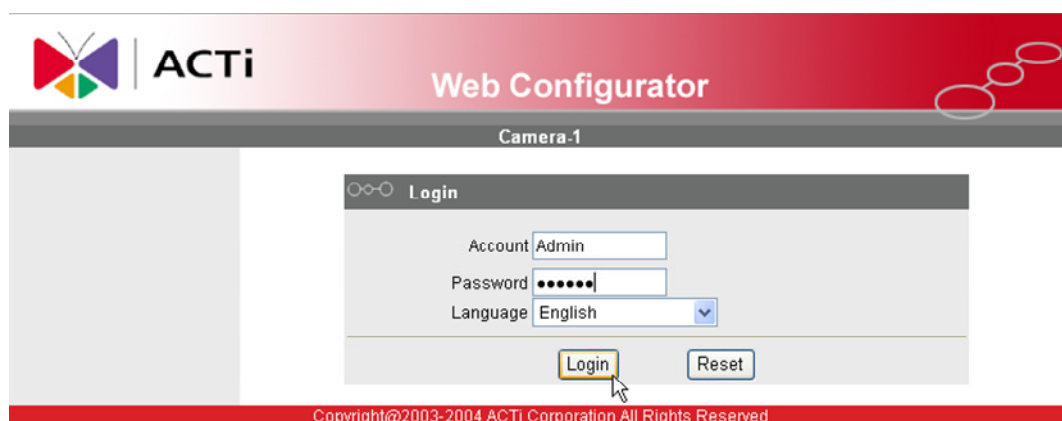


NOTE: If your web browser is earlier than IE6, then download IE6 is recommended.



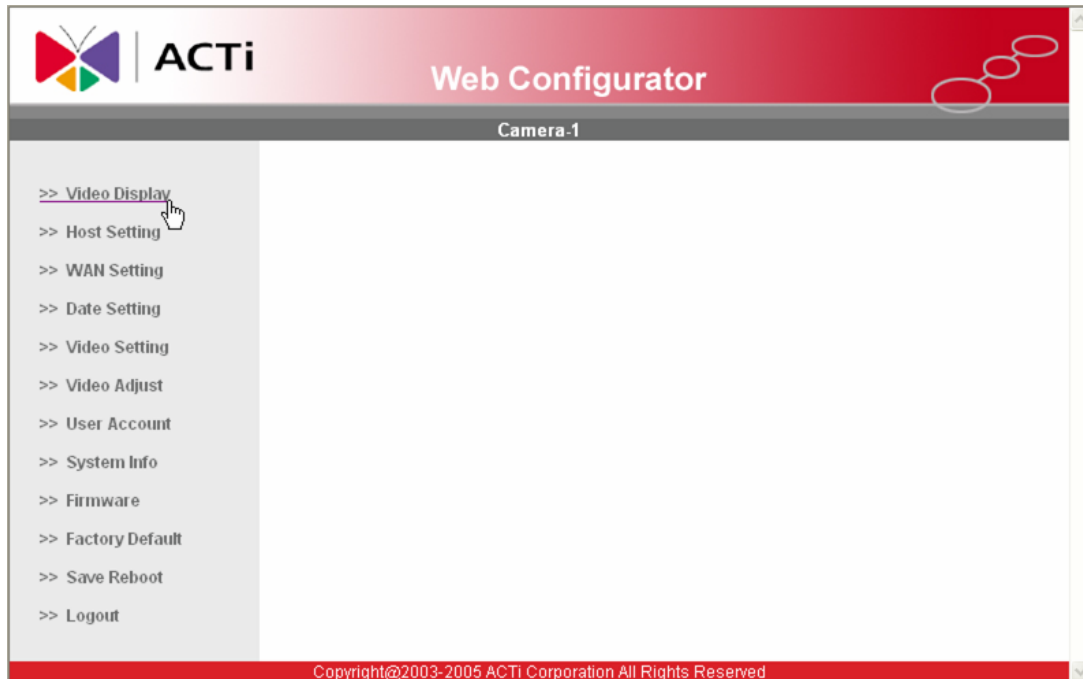
NOTE: The IP camera default IP address is set to **192.168.0.100**

2.1.3 Login with default administrator's account & password

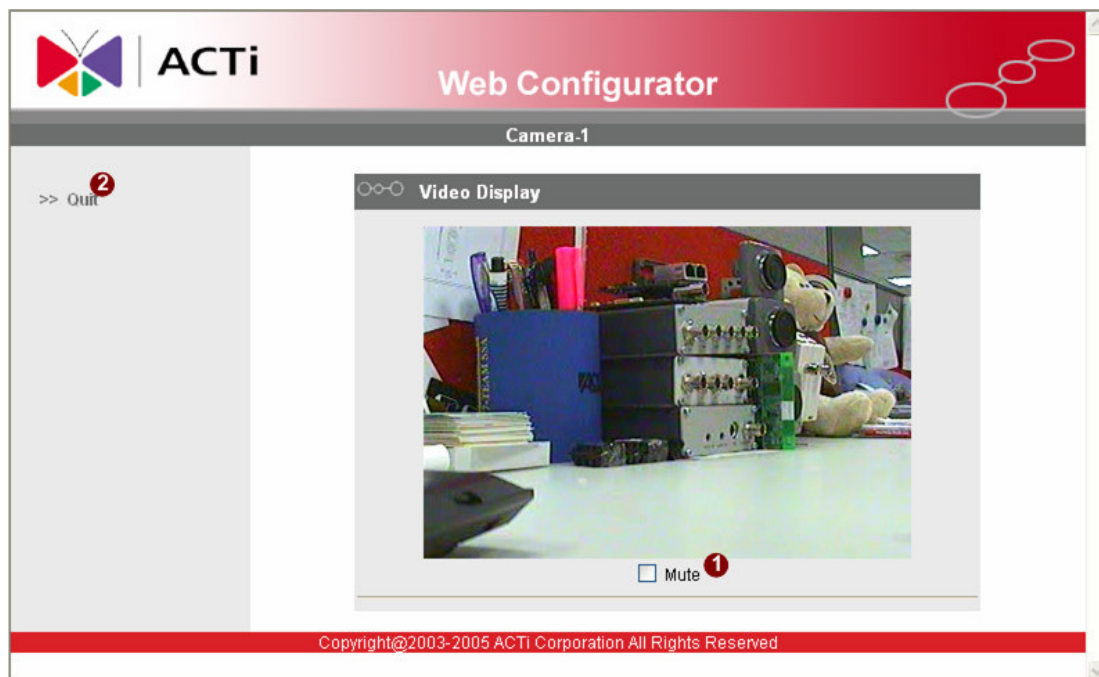


NOTE: Default administrator account is set to **Admin**, password is set to **123456**, and click **Login** button.

2.1.4 Preview the Video




NOTE: In your Client PC, please make sure the setting of Network Connections Type is set to Auto Negotiation, since IP camera follows MII standard. Otherwise, you might not see the live image.



2.1.5 Set the new IP address

The screenshot shows the ACTi Web Configurator interface for Camera-1. The interface is divided into three main sections: Host Setting, LAN Setting, and Network Link Speed & Duplex. The Host Setting section includes fields for Host Name (ACTi) and Language (English). The LAN Setting section includes fields for IP Address (192.168.0.100) and Subnet Mask (255.255.255.0). The Network Link Speed & Duplex section includes fields for LAN Port (Auto Detect) and WAN Port (Auto Detect). Each section has Apply and Reset buttons. Red numbered circles (1-8) highlight specific fields: 1 for Host Name, 2 for Language, 3 for Apply buttons, 4 for Reset buttons, 5 for IP Address, 6 for Subnet Mask, 7 for LAN Port, and 8 for WAN Port.

- **Host Name** : Enter in the domain name, Default Host Name is ACTi.
- **Language** : Language setting for Web Configurator after Save Reboot. Default setting is English.
- **IP Address** : The IP address of the LAN interface. The default IP address is 192.168.0.100.
- **Subnet Mask** : The subnet mask of the LAN interface. The default subnet mask is 255.255.255.0
- Click  button



NOTE: Check with your MIS department, if Client PC and IP camera are setting in different VLANs, please connect to WAN port.

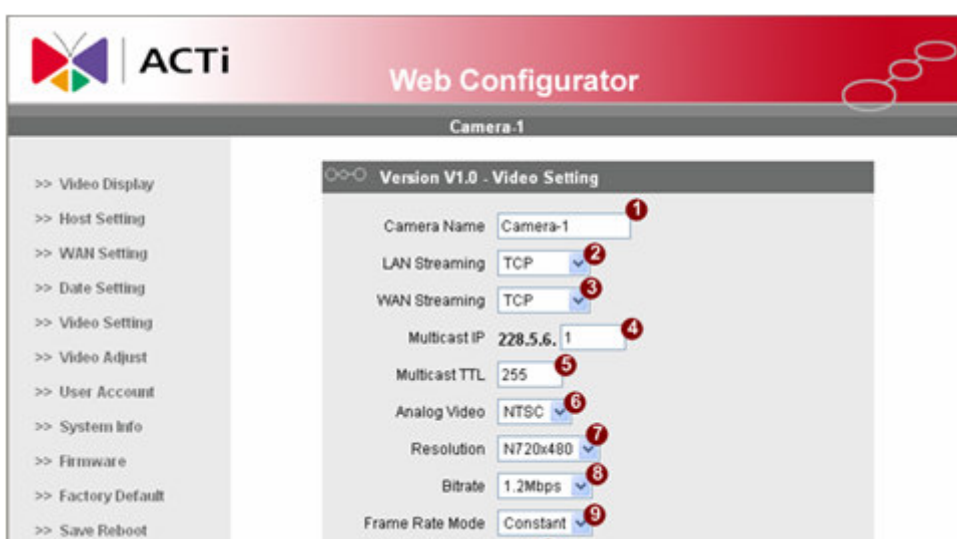
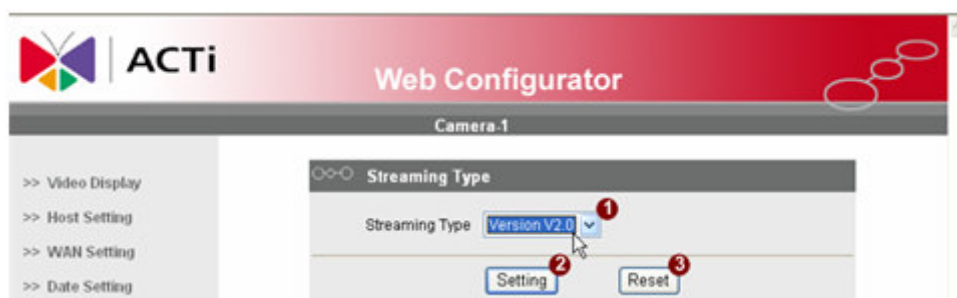


NOTE: In your Client PC, please make sure the setting of Network Connections Type is set to Auto Negotiation, since IP camera follows MII standard. Otherwise, you might not see the live image.



IMPORTANT: After the IP address is changed, please record this IP address. There is no way to connect to the IP camera if user forgets the new IP address.

2.1.6 Check Default Video Setting



NOTE: Please make sure the TV Input (NTSC / PAL) is meet your requirement, and click **Apply** button.

2.1.7 Click **Save Reboot** to restore all settings and please wait about 30 seconds for system reboot.